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FINAL REPORT

ON THE

COOPERATIVE AGREEMENT 14-48-0001-96614

DEPARTMENT OF INTERIOR
U.S. FISH AND WILDLIFE SERVICE
REGION 1

AND

KARUK TRIBE OF CALIFORNIA
KARUK COMMUNITY DEVELOPMENT CORPORATION

FOR THE

CAMP CREEK NATIVE STOCK ENHANCEMENT PROGRAM
97-FR-04

RED CAP CREEK NATIVE ENHANCEMENT PROJECT
97-FR-03

Prepared January 1998

200-000822

ABSTRACT

The Karuk Tribe of California, Karuk Community Development Corporation under cooperative agreement with the U.S. Fish and Wildlife Service has been administering the operations of small scale fish rearing project funded by the Klamath Basin Restoration Act.

The objective of the overall program is to restore natural spawning of late fall run chinook populations through an accelerated stocking program utilizing artificially spawned and reared out plants derived from endemic brood stock to reseed streams.

The two components of the FY 97 program were the projects on the Karuk Tribe Aboriginal Territory, in the environs of Orleans, California.

At Mid Klamath through weir capture at Camp and Red Cap Creeks brood stock yield 25,000. The Red Cap Creek Project wier was completely lost due to flooding. We had major losses at the Camp creek Facility due to a water line breakage. A loss of over 13,000 fingerlings occurred. In late October CWT tagged yearlings at a weight of 9 fish per pound were released into Camp Creek

INTRODUCTION

Natural spawning Klamath River fall chinook runs are depressed basin wide leaving the reproductive capacity of the Mid-Klamath tributaries spawner limited. Juvenile rearing habitat in the streams is considered "good" but under utilized.

The strategy of the Mid-Klamath program is to weir capture adult brood stock from parent streams, segregate and incubate the resultant eggs at Camp Creek, and when progeny are of the appropriate size, return them to their parent stream side pond, rearing tanks or cages for extended rearing until yearling size for on site release.

DESCRIPTION OF THE STUDY AREA

Camp Creek is tributary to the Klamath River on the north bank south of the township of Orleans in Humboldt County California. The incubation and rearing facility is approximately 3 miles up stream from the stream's confluence with the river. The trapping site for Camp Creek stock is approximately .25 miles from the mouth of the stream. Red Cap Creek enters the Klamath River on the south bank approximately 5 miles down river from Camp Creek. The trapping and rearing site for Red Cap creek is located approximately 2 miles up from the stream's confluence with the Klamath River.

METHODS AND MATERIALS

Adult natural run localized brood stock are captured by use of an Alaska style weir and trap in Camp and Red Cap creeks. The captured adults are held for ripening in tanks at the Camp Creek Facility. Eggs spawned are incubated in vertical trays fed with gravity flow water. Camp Creek progeny are reared to yearling size and released on site.

All rearing facilities are fenced and covered to prevent predation and vandalism. Fish are hand fed

Bio-Diet food. No electricity is available at either site.

Coded Wire tags are applied to all released fish, operate tag codes are used at each site.

RESULTS AND DISCUSSION

The Karuk Tribe of California, Karuk Community Development Corporation, Mid-Klamath Sub basin Native Stock Enhancement Program began capture on November 1, 1996 and completed on January 15, 1997. The Camp creek weir trapped and spawned seven (7) females and -seven (7) males for a total of 25,000 eggs. The Red Cap weir did trap three (3) females that were returned to the stream when the weir washed out during the flood. Alaska style weirs were used in the trapping operation. During the months of November and December we had high water levels which severely impacted the trapping component.

The incubation component began January 15, 1997 to May 1, 1997. February 15, 1997 the eyed egg total was 24,812 Camp Creek 24,812 and Red Cap Creek -0-. During the incubation component the fisheries staff utilized spare time in repairing the trapping equipment from the previous season and preparing site and rearing facilities for the rearing season.

The Rearing component began May 1, 1997 and continued until November 15, 1997 fingerlings at the Camp Creek Facility were reared in the hatchery tanks. There was no fingerlings to rear in the in stream cages at Red Cap Creek. All fish were fed with Bio-Starter and then Bio-Feed, the fingerlings showed the expected growth rates. During the late summer months the water temperatures increased and the water level decreased. Staff increased the height of the dam above the water inlet increasing water flow and lowering water temperatures.

Coded Wire Tagging (CWT) was completed for Camp Creek on October 23, 1997. CWT retention rates were calculated on October 31, 1997 with a retention rate of 95.6%. We began releasing the fingerlings at that time and continued to do so until November 15, 1997. A total of 10,101 was released into Camp Creek. The fingerlings were released in small lots over several days to keep from overwhelming the tributary. Fish weighted an average of 9 fish per pound.

Tagging operations are severely hampered by the lack of a CWT machine owned by the project. At this time we have been borrowing the California Department of Fish and Games and upon completion we have the machine serviced and returned to the DFG in the same condition as we received it in.

SUMMARY AND CONCLUSIONS

Red Cap Creek did not meet the production level projected. The weir washed out during trapping season.

Camp Creek met projected production levels. Stricter temperature control and water level monitoring will aid in keeping potential problems away.

It was approved by the U. S. Fish and Wildlife Service to carry over the Red Cap Creek Project 97-FR-03 unexpended funds. The unexpended funds will be utilized at Camp Creek for fiscal year 1998.

RED CAP CREEK
BROOD - STOCK COLLECTION FACILITY

B.Y. 1996

WEEKLY TRAPPING RECORDS

(November 1, 1996 thru **January 15, 1997)**

RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

NOVEMBER 1996

WEEKLY TRAPPING RECORDS

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*1*	*Non N/O Operational*									*N/O*	*N/A*	*43*	-	*DFG trapping permit effective today 11-1-96*
												*	*60*		
Saturday	*2*	*N/O*									*N/O*	*	*42*	-	*Weir Not Deployed*
												*	*61*		
Sunday	*3*	*N/O*									*N/O*	*	*44*	-	*No project personnel hired - uncertainty over contract timing*
												*	*62*		
Monday	*4*	*N/O*									*N/O*	*	*39*	*0.02*	
												*	*58*		
Tuesday	*5*	*N/O*									*N/O*	*	*38*	-	
												*	*56*		
Wednesday	*6*	*N/O*									*N/O*	*	*34*	*0.01*	
												*	*56*		
Thursday	*7*	*N/O*									*N/O*	*	*41*	-	
												*	*58*		
TOTAL FOR WEEK											*0*				
PREVIOUS TOTAL											*N/A*				
TOTAL TO DATE											*0*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*42*	*~*	*Non - Operational*
												"	*59*		
Saturday	*9*	*N/O*									*N/O*	"	*40*	*~*	*Non - Operational*
												"	*61*		
Sunday	*10*	*N/O*									*N/O*	"	*42*	*~*	*Non - Operational*
												"	*56*		
Monday	*11*	*N/O*									*N/O*	"	*44*	*~*	*Norman, Leaf, CCC's monilize, transport, and deploy weir structure*
												"	*60*		
Tuesday	*12*	*N/O*									*N/O*	"	*48*	*~*	*Jerry (DFG) site vist. Variance requested for Red Cap Creek Site.*
												"	*65*		
Wednesday	*13*	*N/O*									*N/O*	"	*51*	*0.07*	*Variance approved by Don Weidline (DFG)*
												"	*62*		
Thursday	*14*	*Open weir 12 noon*	*1*	*2*							*3*	"	*43*	*Trace*	*** Weir Operational ** First Day Fishing*
												"	*55*		
TOTAL FOR WEEK			*1*	*2*							*3*				
PREVIOUS TOTAL			*0*	*0*							*0*				
TOTAL TO DATE			*1*	*2*							*3*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*15*	*Close weir 12 noon*									*0*	*N/A*	*43*	*0.04*	*Big Storm Hits*
												[redacted]			
												"	*57*		
Saturday	*16*	*Open weir 12 noon*	*2*	*1*	*1*		*1*				*5*	"	*42*	-	
												[redacted]			
												"	*51*		
Sunday	*17*	*Close weir 12 noon*	*1*	*1*			*2*				*4*	"	*42*	*0.41*	*Hard Rain High Water Water Rising Fast*
												[redacted]			
												"	*50*		
Monday	*18*	*Non N/O Operational*									*Non N/O Operational*	"	*46*	*4.10*	*No personnel available Half of weir structure & trapping cage blown-out*
												[redacted]			
												"	*63*		
Tuesday	*19*	*N/O*									*N/O*	"	*52*	*1.77*	*Non - Operational*
												[redacted]			
												"	*60*		
Wednesday	*20*	*N/O*									*N/O*	"	*48*	*0.22*	*Leaf sent Ron & Harold along w/ CCC crew to remove the remaining*
												[redacted]			
												"	*58*		
Thursday	*21*	*N/O*									*N/O*	"	*50*	*0.44*	*portion of weir structure to higher ground.*
												[redacted]			
												"	*55*		
TOTAL FOR WEEK			*3*	*2*	*1*		[redacted]			[redacted]	*9*	[redacted]			
PREVIOUS TOTAL			*1*	*2*	*0*		*0*			[redacted]	*3*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock M	CHINOOK Brood-Stock F	CHINOOK Released above trap M	CHINOOK Released above trap F	CHINOOK Released above trap J	COHO Released above trap M	COHO Released above trap F	COHO Released above trap J	TOTAL ALL SPECIES	TEMPERATURE Water Temp	TEMPERATURE Amb Temp	PREC.	COMMENTS
Friday	*22*	*Non N/O Operational*									*N/O*	*N/A*	*50*	*0.12*	*Non - Operational*
												[redacted]	[redacted]		
												"	*58*		
Saturday	*23*	*N/O*									*N/O*	"	*48*	*0.02*	*Non - Operational*
												[redacted]	[redacted]		
												"	*58*		
Sunday	*24*	*N/O*									*N/O*	"	*50*	*0.64*	*Non - Operational*
												[redacted]	[redacted]		
												"	*58*		
Monday	*25*	*N/O*									*N/O*	"	*43*	*0.02*	*Non - Operational*
												[redacted]	[redacted]		
												"	*58*		
Tuesday	*26*	*N/O*									*N/O*	"	*41*	*~*	*Non - Operational*
												[redacted]	[redacted]		
												"	*55*		
Wednesday	*27*	*N/O*									*N/O*	"	*40*	*~*	*Leaf sent Ron & Bob to investigate below site. Reportedly found cage*
												[redacted]	[redacted]		
												"	*54*		
Thursday	*28*	*N/O*									*N/O*	"	*44*	*0.51*	*w / out floor portion, 1/2 mile below trapping site.*
												[redacted]	[redacted]		
												"	*50*		***Thanksgiving Day - NOT !!!***
TOTAL FOR WEEK			*0*	*0*	*0*		*0*			[redacted]	*0*	[redacted]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[redacted]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*29*	*Non N/O Operational*									*Non N/O Operational*	*N/A*	*40*	*0.01*	*Non - Operational*
												[illegible]	[illegible]		
												"	*50*		
Saturday	*30*	*N/O*									*N/O*	"	*43*	*0.18*	*Non - Operational*
												[illegible]	[illegible]		
												"	*50*		

[redacted]

TOTAL FOR WEEK	*0*	*0*	*0*		[illegible]				*0*
PREVIOUS TOTAL	*4*	*4*	*1*		*3*			[illegible]	*12*
TOTAL TO DATE	*4*	*4*	*1*		*3*			[illegible]	*12*

RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

DECEMBER 1996

WEEKLY TRAPPING RECORDS

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*1*	*Non N/O Operational*									*N/O*	*N/A*	*42*	*0.90*	*Non - Operational*
												[redacted]	[redacted]		
												"	*51*		
Monday	*2*	*N/O*									*N/O*	"	*38*	*0.03*	*Non - Operational*
												[redacted]	[redacted]		
												"	*44*		
Tuesday	*3*	*N/O*									*N/O*	"	*40*	*0.53*	*Non - Operational*
												[redacted]	[redacted]		
												"	*48*		
Wednesday	*4*	*N/O*									*N/O*	"	*42*	*1.64*	*Non - Operational*
												[redacted]	[redacted]		
												"	*48*		
Thursday	*5*	*N/O*									*N/O*	"	*42*	*1.86*	*Non - Operational*
												[redacted]	[redacted]		
												"	*51*		
Friday	*6*	*N/O*									*N/O*	"	*42*	*0.42*	*Non - Operational*
												[redacted]	[redacted]		
												"	*50*		
Saturday	*7*	*N/O*									*N/O*	"	*43*	*1.40*	*Non - Operational*
												[redacted]	[redacted]		
												"	*50*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*			[redacted]	*0*	[redacted]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[redacted]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*46*	*2.27*	*Non - Operational*
												[redacted]	[redacted]		
												"	*53*		
Monday	*9*	*N/O*									*N/O*	"	*44*	*2.40*	*Non - Operational*
												[redacted]	[redacted]		
												"	*49*		
Tuesday	*10*	*N/O*									*N/O*	"	*45*	*0.72*	*Non - Operational*
												[redacted]	[redacted]		
												"	*53*		
Wednesday	*11*	*N/O*									*N/O*	"	*41*	*0.80*	*Non - Operational*
												[redacted]	[redacted]		
												"	*49*		
Thursday	*12*	*N/O*									*N/O*	"	*45*	*1.86*	*Non - Operational*
												[redacted]	[redacted]		
												"	*54*		
Friday	*13*	*N/O*									*N/O*	"	*41*	*0.84*	*Non - Operational*
												[redacted]	[redacted]		
												"	*54*		
Saturday	*14*	*N/O*									*N/O*	"	*35*	*0.01*	*Non - Operational*
												[redacted]	[redacted]		
												"	*53*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*			[redacted]	*0*	[redacted]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[redacted]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*15*	*Non N/O Operational*									*N/O*	*N/A*	*32*	*~*	*Non - Operational*
												*	*52*		
Monday	*16*	*N/O*									*N/O*	*	*34*	*~*	*Non - Operational*
												*	*50*		
Tuesday	*17*	*N/O*									*N/O*	*	*38*	*~*	*Non - Operational*
												*	*58*		
Wednesday	*18*	*N/O*									*N/O*	*	*32*	*~*	*Non - Operational*
												*	*50*		
Thursday	*19*	*N/O*									*N/O*	*	*33*	*~*	*Non - Operational*
												*	*48*		
Friday	*20*	*N/O*									*N/O*	*	*36*	*1.52*	*Non - Operational*
												*	*41*		
Saturday	*21*	*N/O*									*N/O*	*	*34*	*0.81*	*Light Snow Falls*
												*	*41*		
TOTAL FOR WEEK			*0*	*0*	*0*		[illegible]				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*22*	*Non N/O Operational*									*N/O*	*N/A*	*33*	*0.98*	*Light Snow Falls*
												*	*38*		
Monday	*23*	*N/O*									*N/O*	*	*N/A*	*N/A*	*Non - Operational*
												*	*		
Tuesday	*24*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Wednesday	*25*	*N/O*									*N/O*	*	*	*	* *CHRISTMAS DAY* *
												*	*		
Thursday	*26*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Friday	*27*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Saturday	*28*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*29*	*Non N/O Operational*									*N/O*	*N/A*	*N/A*	*N/A*	*Non - Operational*
												[redacted]	[redacted]		
												*	*N/A*		
Monday	*30*	*N/O*									*N/O*	*	*48*	*1.58*	*Non - Operational*
												[redacted]	[redacted]		
												*	*55*		
Tuesday	*31*	*N/O*									*N/O*	*	*48*	*1.40*	*Non - Operational*
												[redacted]	[redacted]		
												*	*57*		
TOTAL FOR WEEK			*0*	*0*	*0*		[redacted]			[redacted]	*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[redacted]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

JANUARY 1997

WEEKLY TRAPPING RECORDS

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January
MONTH

1997
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	*1*	*Non N/O Operational*									*N/O*	*N/A*	*48*	*4.50*	*" NEW YEARS DAY "*
												[illegible]	[illegible]		
												"	*58*		
Thursday	*2*	*N/O*									*N/O*	"	*49*	*0.92*	*Non - Operational*
												[illegible]	[illegible]		
												"	*56*		
Friday	*3*	*N/O*									*N/O*	"	*42*	*0.33*	*Non - Operational*
												[illegible]	[illegible]		
												"	*52*		
Saturday	*4*	*N/O*									*N/O*	"	*37*	*-*	*Non - Operational*
												[illegible]	[illegible]		
												"	*45*		
Sunday	*5*	*N/O*									*N/O*	"	*35*	*-*	*Non - Operational*
												[illegible]	[illegible]		
												"	*48*		
Monday	*6*	*N/O*									*N/O*	"	*33*	*-*	*Non - Operational*
												[illegible]	[illegible]		
												"	*48*		
Tuesday	*7*	*N/O*									*N/O*	"	*32*	*-*	*Non - Operational*
												[illegible]	[illegible]		
												"	*47*		
TOTAL FOR WEEK			*0*	*0*	*0*		*4*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January
MONTH

1997
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*33*	~	*Non - Operational*
												[redacted]			
												"	*48*		
Thursday	*9*	*N/O*									*N/O*	"	*36*	~	*Non - Operational*
												[redacted]			
												"	*48*		
Friday	*10*	*N/O*									*N/O*	"	*37*	~	*Non - Operational*
												[redacted]			
												"	*45*		
Saturday	*11*	*N/O*									*N/O*	"	*37*	~	*Non - Operational*
												[redacted]			
												"	*47*		
Sunday	*12*	*N/O*									*N/O*	"	*37*	~	*Non - Operational*
												[redacted]			
												"	*47*		
Monday	*13*	*N/O*									*N/O*	"	*26*	~	*Non - Operational*
												[redacted]			
												"	*44*		
Tuesday	*14*	*N/O*									*N/O*	"	*23*	~	*Final Permitted Day of Trapping Operations for 1996-97 Season.*
												[redacted]			
												"	*47*		
TOTAL FOR WEEK			*0*	*0*	*0*		[redacted]			[redacted]	*0*	[redacted]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[redacted]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*			[redacted]	*12*				

CAMP CREEK
BROOD - STOCK COLLECTION FACILITY

B.Y. 1996

WEEKLY TRAPPING RECORDS

(November 1, 1996 thru January 15, 1997)

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CAMP CREEK

BROOD - STOCK COLLECTION FACILITY

NOVEMBER 1996

WEEKLY TRAPPING RECORDS

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November MONTH

1996 YEAR

Camp Creek Weir LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*1*	*Non N/O Operational*									*N/O*		*43*	-	*DFG trapping permit effective today 11-1-96*
													60		
Saturday	*2*	*N/O*									*N/O*		*42*	-	*Weir Not Deployed*
													61		
Sunday	*3*	*N/O*									*N/O*		*44*	-	*No project personnel hired - uncertainty over contract timing*
													62		
Monday	*4*	*N/O*									*N/O*		*39*	*0.02*	
													58		
Tuesday	*5*	*N/O*									*N/O*		*38*	-	
													56		
Wednesday	*6*	*N/O*									*N/O*		*34*	*0.01*	
													56		
Thursday	*7*	*N/O*									*N/O*		*41*	-	
													58		
TOTAL FOR WEEK											*0*				
PREVIOUS TOTAL											*N/A*				
TOTAL TO DATE											*0*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*8*	*Non N/O Operational*									*N/O*		*42* / *59*	*-*	*Mobilization of weir and trap begins at Camp Creek site*
Saturday	*9*	*N/O*									*N/O*		*40* / *61*	*-*	
Sunday	*10*	*N/O*									*N/O*		*42* / *56*	*-*	
Monday	*11*	*N/O*									*N/O*		*44* / *60*	*-*	*Norman, Leaf, CCC's monilize, transport, and deploy weir structure*
Tuesday	*12*	*N/O*									*N/O*		*48* / *65*	*-*	*Jerry (DFG) site monitoring visit*
Wednesday	*13*	*Open weir 12 noon*									*0*		*51* / *62*	*0.07*	*Weir Operational ** First Day Fishing ***
Thursday	*14*	*Close weir 12 noon*	*1*								*1*		*43* / *55*	*Trace*	
TOTAL FOR WEEK			*1*								*1*				
PREVIOUS TOTAL			*0*								*0*				
TOTAL TO DATE			*1*								*1*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November — MONTH

1996 — YEAR

Camp Creek Weir — LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*15*	*Open weir 12 noon*	*2*	*2*	*1*						*5*		*43* / *57*	*0.04*	*Storm Hits*
Saturday	*16*	*Close weir 12 noon*									*0*		*42* / *51*	*-*	
Sunday	*17*	*Open weir 12 noon*									*0*		*42* / *50*	*0.41*	*Water Rising Fast*
Monday	*18*	*Close weir 2:00 AM*									*0*		*46* / *63*	*4.10*	*Hard Rain - High Water Leaf fished til 2 am secured weir & trap*
Tuesday	*19*	*Non N/O Operational*									*N/O*		*52* / *60*	*1.77*	*Non - Operational*
Wednesday	*20*	*N/O*									*N/O*		*48* / *58*	*0.22*	*Non - Operational*
Thursday	*21*	*N/O*									*N/O*		*50* / *55*	*0.44*	*Non - Operational*
TOTAL FOR WEEK			*2*	*2*	*1*						*5*				
PREVIOUS TOTAL			*1*	*0*	*0*						*1*				
TOTAL TO DATE			*3*	*2*	*1*						*6*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*22*	*Non N / O Operational*									*N / O*		*50* / *58*	*0.12*	*Non - Operational*
Saturday	*23*	*Open weir 6 p.m.*									*0*		*48* / *58*	*0.02*	*Bob - Ron - Leaf Re-install weir and begin fishing @ dark*
Sunday	*24*	*Close weir 12 noon*	*2*		*2*						*4*		*50* / *58*	*0.64*	
Monday	*25*	*Open weir 12 noon*									*0*		*43* / *58*	*0.02*	
Tuesday	*26*	*Close weir 12 noon*	*3*	*2*				*1*			*6*		*41* / *55*	-	
Wednesday	*27*	*Open weir 12 noon*									*0*		*40* / *54*	-	
Thursday	*28*	*Close weir 12 noon*		*1*	*1*		*2*				*4*		*44* / *50*	*0.51*	*" THANKSGIVING DAY " NOT !*
TOTAL FOR WEEK			*5*	*3*	*3*		*2*	*1*			*14*				
PREVIOUS TOTAL			*3*	*2*	*1*		*0*	*0*			*6*				
TOTAL TO DATE			*8*	*5*	*4*		*2*	*1*			*20*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*29*	*Open weir 12 noon*									*0*		*40* / *50*	*0.01*	
Saturday	*30*	*Close weir 12 noon*	*2*	*1*			*3*	*1*			*7*		*43* / *50*	*0.18*	
[redacted]															
TOTAL FOR WEEK			*2*	*1*	*0*		[redacted]	*1*		[redacted]	*7*				
PREVIOUS TOTAL			*8*	*5*	*4*		[redacted]	*1*		[redacted]	*20*				
TOTAL TO DATE			*10*	*6*	*4*		*5*	*2*		[redacted]	*27*				

CAMP CREEK

BROOD - STOCK COLLECTION FACILITY

DECEMBER 1996

WEEKLY TRAPPING RECORDS

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*1*	*Open weir 12 noon*									*0*		*42* / *51*	*0.90*	
Monday	*2*	*Close weir 12 noon*									*0*		*38* / *44*	*0.03*	
Tuesday	*3*	*Open weir 6:00 PM*									*0*		*40* / *48*	*0.53*	*Ron & Bob to Red Cap. Ron & Leaf reinstall weir, fishing at dark (6 pm).*
Wednesday	*4*	*Non N/O Operational*									*N/O*		*42* / *48*	*1.64*	*Early AM - Big Storm Hits. 2 pm - Pull portion of weir. Water extremely high.*
Thursday	*5*	*N/O*									*N/O*		*42* / *51*	*1.86*	*Weir & Trap are entirely submerged overnight. ~ Storm Continues ~*
Friday	*6*	*N/O*									*N/O*		*42* / *50*	*0.42*	*Water begins to receed. Norman & Ron cut logs, and remove debris from weir.*
Saturday	*7*	*N/O*									*N/O*		*43* / *50*	*1.40*	*New storm hits, water begins to rise again. 6 pm - Trap submerged again.*
TOTAL FOR WEEK			*0*	*0*	*0*		*0*	*0*			*0*				
PREVIOUS TOTAL			*10*	*6*	*4*		*5*				*27*				
TOTAL TO DATE			*10*	*6*	*4*		*5*	*2*			*27*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*8*	*Non N/O Operational*									*N/O*		*46* / *53*	*2.27*	*Camp Creek & Klamath River nearing flood stage*
Monday	*9*	*N/O*	*1*								*1*		*44* / *49*	*2.40*	*Bob captured one male swimming near shore by weir structure.*
Tuesday	*10*	*N/O*									*N/O*		*45* / *53*	*0.72*	*Weir & Trap are completely submerged*
Wednesday	*11*	*N/O*									*N/O*		*41* / *49*	*0.80*	*Main storm front begins to subside. Water levels begin to slowly receed*
Thursday	*12*	*N/O*									*N/O*		*45* / *54*	*1.86*	
Friday	*13*	*N/O*									*N/O*		*41* / *54*	*0.84*	*Water still high, but beginning to run clear. Lots of debris on weir.*
Saturday	*14*	*N/O*									*N/O*		*35* / *53*	*0.01*	*Still to much water to begin necessary repairs, or to fish trap.*
TOTAL FOR WEEK			*1*	*0*	*0*		*0*	*0*			*1*				
PREVIOUS TOTAL			*10*	*6*	*4*		*5*	*2*			*27*				
TOTAL TO DATE			*11*	*6*	*4*		*5*	*2*			*28*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*22*	*Non N/O Operational*									*N/O*		*33* / *38*	*0.98*	*Light Snow Falls*
Monday	*23*	*N/O*									*N/O*		*N/A* / "	*N/A*	
Tuesday	*24*	*N/O*									*N/O*		" / "	"	
Wednesday	*25*	*N/O*									*N/O*		" / "	"	*" CHRISTMAS DAY "*
Thursday	*26*	*N/O*									*N/O*		" / "	"	
Friday	*27*	*N/O*									*N/O*		" / "	"	
Saturday	*28*	*N/O*									*N/O*		" / "	"	
TOTAL FOR WEEK			*0*	*0*	*0*		*0*	*0*			*0*				
PREVIOUS TOTAL			*11*	*6*	*4*		*5*	*2*			*28*				
TOTAL TO DATE			*11*	*6*	*4*		*5*	*2*			*28*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*29*	*Non N/O Operational*									*N/O*		*N/A*	*N/A*	*Decision made to demob all accessable portions of weir & trapping cage.*
													N/A		
Monday	*30*	*N/O*									*N/O*		*48*	*1.58*	*Water Extremely High*
													55		
Tuesday	*31*	*N/O*									*N/O*		*48*	*1.40*	*Bob-Ron-Leaf remove trapping cage and about half of weir structure*
													57		
TOTAL FOR WEEK			*0*	*0*	*0*		[illegible]	*0*		[illegible]	*0*				
PREVIOUS TOTAL			*11*	*6*	*4*		[illegible]	*2*		[illegible]	*28*				
TOTAL TO DATE			*11*	*6*	*4*		*5*	*2*		[illegible]	*28*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January MONTH

1997 YEAR

Camp Creek Weir LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	1	Non N/O Operational									N/O		48 58	4.50	"NEW YEARS DAY" Klamath River cuts thru old channel, running down
Thursday	2	N/O									N/O		49 56	0.92	access road to trap site. Trailer at trap site washed down Camp Creek - 8 a.m.
Friday	3	N/O									N/O		42 52	0.33	Klamath River influence now extends nearly to trapping site location.
Saturday	4	N/O									N/O		37 45	-	
Sunday	5	N/O									N/O		35 48	-	Waters begin to receed.
Monday	6	N/O									N/O		33 48	-	
Tuesday	~7	N/O									N/O		32 47	-	
TOTAL FOR WEEK			0	0	0		0	0			0				
PREVIOUS TOTAL			11	6	4		5	2			28				
TOTAL TO DATE			11	6	4		5	2			28				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January
MONTH

1997
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	*8*	*Non N/O Operational*									*N/O*		*33*	~	*Non - Operational*
													48		
Thursday	*9*	*N/O*									*N/O*		*36*	~	*Non - Operational*
													48		
Friday	*10*	*N/O*									*N/O*		*37*	~	*Non - Operational*
													45		
Saturday	*11*	*N/O*									*N/O*		*37*	~	*Non - Operational*
													47		
Sunday	*12*	*N/O*									*N/O*		*37*	~	*Non - Operational*
													47		
Monday	*13*	*N/O*									*N/O*		*26*	~	*Non - Operational*
													44		
Tuesday	*14*	*N/O*									*N/O*		*23*	~	*Final Permitted Day of Trapping Operations for 1996 - 97 Season*
													47		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*	*0*			*0*				
PREVIOUS TOTAL			*11*	*6*	*4*		*5*	*2*			*28*				
TOTAL TO DATE			*11*	*6*	*4*		*5*	*2*			*28*				

RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

NOVEMBER 1996

WEEKLY TRAPPING RECORDS

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November — MONTH

1996 — YEAR

Red Cap Creek — LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	1	Non N/O Operational									N/O	N/A " "	43 [illegible] 60	-	DFG trapping permit effective today 11-1-96
Saturday	2	N/O									N/O	" " "	42 [illegible] 61	-	Weir Not Deployed
Sunday	3	N/O									N/O	" " "	44 [illegible] 62	-	No project personnel hired - uncertainty over contract timing
Monday	4	N/O									N/O	" " "	39 [illegible] 58	0.02	
Tuesday	5	N/O									N/O	" " "	38 [illegible] 56	-	
Wednesday	6	N/O									N/O	" " "	34 [illegible] 56	0.01	
Thursday	7	N/O									N/O	" " "	41 [illegible] 58	-	
TOTAL FOR WEEK											0				
PREVIOUS TOTAL											N/A				
TOTAL TO DATE											0				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*42*	*~*	*Non - Operational*
												"	*59*		
Saturday	*9*	*N/O*									*N/O*	"	*40*	*~*	*Non - Operational*
												"	*61*		
Sunday	*10*	*N/O*									*N/O*	"	*42*	*~*	*Non - Operational*
												"	*56*		
Monday	*11*	*N/O*									*N/O*	"	*44*	*~*	*Norman, Leaf, CCC's monilize, transport, and deploy weir structure*
												"	*60*		
Tuesday	*12*	*N/O*									*N/O*	"	*48*	*~*	*Jerry (DFG) site vist. Variance requested for Red Cap Creek Site.*
												"	*65*		
Wednesday	*13*	*N/O*									*N/O*	"	*51*	*0.07*	*Variance approved by Don Weidline (DFG)*
												"	*62*		
Thursday	*14*	*Open weir 12 noon*	*1*	*2*							*3*	"	*43*	*Trace*	*** Weir Operational ** First Day Fishing*
												"	*55*		
TOTAL FOR WEEK			*1*	*2*							*3*				
PREVIOUS TOTAL			*0*	*0*							*0*				
TOTAL TO DATE			*1*	*2*							*3*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January MONTH

1997 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	*1*	*Non N/O Operational*									*N/O*	*N/A*	*48*	*4.50*	** NEW YEARS DAY **
												"	*58*		
Thursday	*2*	*N/O*									*N/O*	"	*49*	*0.92*	*Non - Operational*
												"	*56*		
Friday	*3*	*N/O*									*N/O*	"	*42*	*0.33*	*Non - Operational*
												"	*52*		
Saturday	*4*	*N/O*									*N/O*	"	*37*	*~*	*Non - Operational*
												"	*45*		
Sunday	*5*	*N/O*									*N/O*	"	*35*	*~*	*Non - Operational*
												"	*48*		
Monday	*6*	*N/O*									*N/O*	"	*33*	*~*	*Non - Operational*
												"	*48*		
Tuesday	*7*	*N/O*									*N/O*	"	*32*	*~*	*Non - Operational*
												"	*47*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

January MONTH

1997 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Wednesday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*33*	-	*Non - Operational*
												*	*48*		
Thursday	*9*	*N/O*									*N/O*	*	*36*	-	*Non - Operational*
												*	*48*		
Friday	*10*	*N/O*									*N/O*	*	*37*	-	*Non - Operational*
												*	*45*		
Saturday	*11*	*N/O*									*N/O*	*	*37*	-	*Non - Operational*
												*	*47*		
Sunday	*12*	*N/O*									*N/O*	*	*37*	-	*Non - Operational*
												*	*47*		
Monday	*13*	*N/O*									*N/O*	*	*26*	-	*Non - Operational*
												*	*44*		
Tuesday	*14*	*N/O*									*N/O*	*	*23*	-	*Final Permitted Day of Trapping Operations for 1996-97 Season.*
												*	*47*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Camp Creek Weir
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*15*	*Non N/O Operational*									*N/O*		*32* / *52*	-	
Monday	*16*	*N/O*									*N/O*		*34* / *50*	-	
Tuesday	*17*	*N/O*									*N/O*		*38* / *58*	-	
Wednesday	*18*	*N/O*									*N/O*		*32* / *50*	-	
Thursday	*19*	*N/O*									*N/O*		*33* / *48*	-	
Friday	*20*	*N/O*									*N/O*		*36* / *41*	*1.52*	
Saturday	*~21*	*N/O*									*N/O*		*34* / *41*	*0.81*	*Light Snow Falls*
TOTAL FOR WEEK			*0*	*0*	*0*		*0*	*0*			*0*				
PREVIOUS TOTAL			*11*	*6*	*4*		*[illegible]*	*2*			*28*				
TOTAL TO DATE			*11*	*6*	*4*		*5*	*2*			*28*				

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*22*	*Non N/O Operational*									*N/O*	*N/A*	*50*	*0.12*	*Non - Operational*
												[redacted]			
												*	*58*		
Saturday	*23*	*N/O*									*N/O*	*	*48*	*0.02*	*Non - Operational*
												[redacted]			
												*	*58*		
Sunday	*24*	*N/O*									*N/O*	*	*50*	*0.64*	*Non - Operational*
												[redacted]			
												*	*58*		
Monday	*25*	*N/O*									*N/O*	*	*43*	*0.02*	*Non - Operational*
												[redacted]			
												*	*58*		
Tuesday	*26*	*N/O*									*N/O*	*	*41*	*-*	*Non - Operational*
												[redacted]			
												*	*55*		
Wednesday	*27*	*N/O*									*N/O*	*	*40*	*-*	*Leaf sent Ron & Bob to investigate below site. Reportedly found cage*
												[redacted]			
												*	*54*		
Thursday	*28*	*N/O*									*N/O*	*	*44*	*0.51*	*w / out floor portion, 1/2 mile below trapping site.*
												[redacted]			
												*	*50*		*Thanksgiving Day - NOT!!!*
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*	[redacted]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

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RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

JANUARY 1997

WEEKLY TRAPPING RECORDS

RED CAP CREEK
BROOD - STOCK COLLECTION FACILITY

B.Y. 1996

WEEKLY TRAPPING RECORDS

(November 1, 1996 thru January 15, 1997)

CAMP CREEK

BROOD - STOCK COLLECTION FACILITY

JANUARY 1997

WEEKLY TRAPPING RECORDS

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PAGE

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*29*	*Non N/O Operational*									*Non N/O Operational*	*N/A*	*40*	*0.01*	*Non - Operational*
												[illegible]	[illegible]		
												"	*50*		
Saturday	*30*	*N/O*									*N/O*	"	*43*	*0.18*	*Non - Operational*
												[illegible]	[illegible]		
												"	*50*		
[illegible]															
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

November
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Friday	*15*	*Close weir 12 noon*									*0*	*N/A*	*43*	*0.04*	*Big Storm Hits*
												*	*57*		
Saturday	*16*	*Open weir 12 noon*	*2*	*1*	*1*		*1*				*5*	*	*42*	*-*	
												*	*51*		
Sunday	*17*	*Close weir 12 noon*	*1*	*1*			*2*				*4*	*	*42*	*0.41*	*Hard Rain High Water Water Rising Fast*
												*	*50*		
Monday	*18*	*Non N/O Operational*									*Non N/O Operational*	*	*46*	*4.10*	*No personnel available Half of weir structure & trapping cage blown-out*
												*	*63*		
Tuesday	*19*	*N/O*									*N/O*	*	*52*	*1.77*	*Non - Operational*
												*	*60*		
Wednesday	*20*	*N/O*									*N/O*	*	*48*	*0.22*	*Leaf sent Ron & Harold along w/ CCC crew to remove the remaining*
												*	*58*		
Thursday	*21*	*N/O*									*N/O*	*	*50*	*0.44*	*portion of weir structure to higher ground.*
												*	*55*		
TOTAL FOR WEEK			*3*	*2*	*1*		*3*				*9*				
PREVIOUS TOTAL			*1*	*2*	*0*		*0*				*3*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

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KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December MONTH

1996 YEAR

Red Cap Creek LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*8*	*Non N/O Operational*									*N/O*	*N/A*	*46*	*2.27*	*Non - Operational*
												[illegible]	[illegible]		
												*	*53*		
Monday	*9*	*N/O*									*N/O*	*	*44*	*2.40*	*Non - Operational*
												[illegible]	[illegible]		
												*	*49*		
Tuesday	*10*	*N/O*									*N/O*	*	*45*	*0.72*	*Non - Operational*
												[illegible]	[illegible]		
												*	*53*		
Wednesday	*11*	*N/O*									*N/O*	*	*41*	*0.80*	*Non - Operational*
												[illegible]	[illegible]		
												*	*49*		
Thursday	*12*	*N/O*									*N/O*	*	*45*	*1.86*	*Non - Operational*
												[illegible]	[illegible]		
												*	*54*		
Friday	*13*	*N/O*									*N/O*	*	*41*	*0.84*	*Non - Operational*
												[illegible]	[illegible]		
												*	*54*		
Saturday	*~14*	*N/O*									*N/O*	*	*35*	*0.01*	*Non - Operational*
												[illegible]	[illegible]		
												*	*53*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*			[illegible]	*0*	[illegible]			
PREVIOUS TOTAL			*4*	*4*	*1*		*3*			[illegible]	*12*	[illegible]			
TOTAL TO DATE			*4*	*4*	*1*		*3*			[illegible]	*12*	[illegible]			

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*15*	*Non N/O Operational*									*N/O*	*N/A*	*32*	~	*Non - Operational*
												"	*52*		
Monday	*16*	*N/O*									*N/O*	"	*34*	~	*Non - Operational*
												"	*50*		
Tuesday	*17*	*N/O*									*N/O*	"	*38*	~	*Non - Operational*
												"	*58*		
Wednesday	*18*	*N/O*									*N/O*	"	*32*	~	*Non - Operational*
												"	*50*		
Thursday	*19*	*N/O*									*N/O*	"	*33*	~	*Non - Operational*
												"	*48*		
Friday	*20*	*N/O*									*N/O*	"	*36*	*1.52*	*Non - Operational*
												"	*41*		
Saturday	*~21*	*N/O*									*N/O*	"	*34*	*0.81*	*Light Snow Falls*
												"	*41*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE		PREC.	COMMENTS
			M	F	M	F	J	M	F	J		Water Temp	Amb Temp		
Sunday	*22*	*Non N/O Operational*									*N/O*	*N/A*	*33*	*0.98*	*Light Snow Falls*
												*	*38*		
Monday	*23*	*N/O*									*N/O*	*	*N/A*	*N/A*	*Non - Operational*
												*	*		
Tuesday	*24*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Wednesday	*25*	*N/O*									*N/O*	*	*	*	*" CHRISTMAS DAY "*
												*	*		
Thursday	*26*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Friday	*27*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
Saturday	*28*	*N/O*									*N/O*	*	*	*	*Non - Operational*
												*	*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*				*0*				
PREVIOUS TOTAL			*4*	*4*	*1*		*3*				*12*				
TOTAL TO DATE			*4*	*4*	*1*		*3*				*12*				

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood-Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE Water Temp	TEMPERATURE Amb Temp	PREC.	COMMENTS
			M	F	M	F	J	M	F	J					
Sunday	*29*	*Non N/O Operational*									*N/O*	*N/A*	*N/A*	*N/A*	*Non - Operational*
												*	*N/A*		
Monday	*30*	*N/O*									*N/O*	*	*48*	*1.58*	*Non - Operational*
												*	*55*		
Tuesday	*31*	*N/O*									*N/O*	*	*48*	*1.40*	*Non - Operational*
												*	*57*		
TOTAL FOR WEEK			*0*	*0*	*0*						*0*				
PREVIOUS TOTAL			*4*	*4*	*1*						*12*				
TOTAL TO DATE			*4*	*4*	*1*						*12*				

RED CAP CREEK

BROOD - STOCK COLLECTION FACILITY

DECEMBER 1996

WEEKLY TRAPPING RECORDS

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PAGE

KARUK TRIBE OF CALIFORNIA
Native Stock Enhancement Program

WEEKLY TRAPPING RECORD

December
MONTH

1996
YEAR

Red Cap Creek
LOCATION

DAY	DATE	HOURS WEIR FISHED	CHINOOK Brood Stock		CHINOOK Released above trap			COHO Released above trap			TOTAL ALL SPECIES	TEMPERATURE Water Temp	TEMPERATURE Amb. Temp	PREC.	COMMENTS
			M	F	M	F	J	M	F	J					
Sunday	*1*	*Non N/O Operational*									*N/O*	*N/A*	*42*	*0.90*	*Non - Operational*
												[illegible]	[illegible]		
												*	*51*		
Monday	*2*	*N/O*									*N/O*	*	*38*	*0.03*	*Non - Operational*
												[illegible]	[illegible]		
												*	*44*		
Tuesday	*3*	*N/O*									*N/O*	*	*40*	*0.53*	*Non - Operational*
												[illegible]	[illegible]		
												*	*48*		
Wednesday	*4*	*N/O*									*N/O*	*	*42*	*1.64*	*Non - Operational*
												[illegible]	[illegible]		
												*	*48*		
Thursday	*5*	*N/O*									*N/O*	*	*42*	*1.86*	*Non - Operational*
												[illegible]	[illegible]		
												*	*51*		
Friday	*6*	*N/O*									*N/O*	*	*42*	*0.42*	*Non - Operational*
												[illegible]	[illegible]		
												*	*50*		
Saturday	*7*	*N/O*									*N/O*	*	*43*	*1.40*	*Non - Operational*
												[illegible]	[illegible]		
												*	*50*		
TOTAL FOR WEEK			*0*	*0*	*0*		*0*			[illegible]	*0*	[illegible]			
PREVIOUS TOTAL			*4*	*4*	*1*		[illegible]			[illegible]	*12*				
TOTAL TO DATE			*4*	*4*	*1*		*35*			[illegible]	*12*				

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EGG COLLECTION FORM

BROODSTOCK/YEAR: Camp Creek '96

LOT NO.	SPAWN DATE	LTH "	WT. LBS.	S.S NO.	#1 2 OZ	#2 2 OZ	#3 2 OZ	EGGS PER OZ	TOTAL OZ'S	TOTAL EGGS	
1	11-28-96	31"	15 lbs.	C - 1	128	123	133	64	110	7,040	
	11-28-96	31"	16 lbs.	C - 2							7,040
2	12-2-96	31"	19 lbs.	C - 4	116	117	119	59	72	4,248	
											11,288
3	12-2-96	33"	16 lbs.	C - 5	107	105	103	55.5	80	4,200	
											15,488
4	12-5-96	32"	14 lbs.	C - 7	114	117	128	60	53	3,180	
											18,668
5	12-11-96	33"	18 lbs.	C - 3	103	93	106	63	100.5	6,332	
	12-11-96	32"	16 lbs.	C - 8							25,000
6											
7											
8											
9											

25,000

TOTAL

Karuk Tribe of California
Cooperative Agreement 14-48-0001-96614
Camp Creek Project 97-FR-03
Red Cap Creek Project 97-FR-04

EYED EGG TOTAL REPORT

February 15, 1997 Eyed Egg total 24,812 for Camp Creek

February 15, 1997 Eyed egg total for Red Cap Creek

ATE OF CALIFORNIA—THE RESOURCES AGENCY
PETE WILSON, Governor
EPARTMENT OF FISH AND GAME
1 LOCUST STREET
DDING CA 96001
161 225 2300

October 22, 1996

Mr. Leaf Hillman
Karuk Tribe of California
Post Office Box 282
Orleans, California 95556-0282

Dear Mr. Hillman:

Attached are your approved trapping and rearing permits for Camp and Red Cap creeks.

Please note that we have changed the allowable trapping dates on Red Cap Creek to November 1, 1996, through January 15, 1997, to conform with your approved five-year plan. Associate Fisheries Biologist Mr. Dave McLeod has been attempting to reach you by phone to discuss this.

If you have any questions regarding these permits, please call Mr. McLeod at (707) 441-5791.

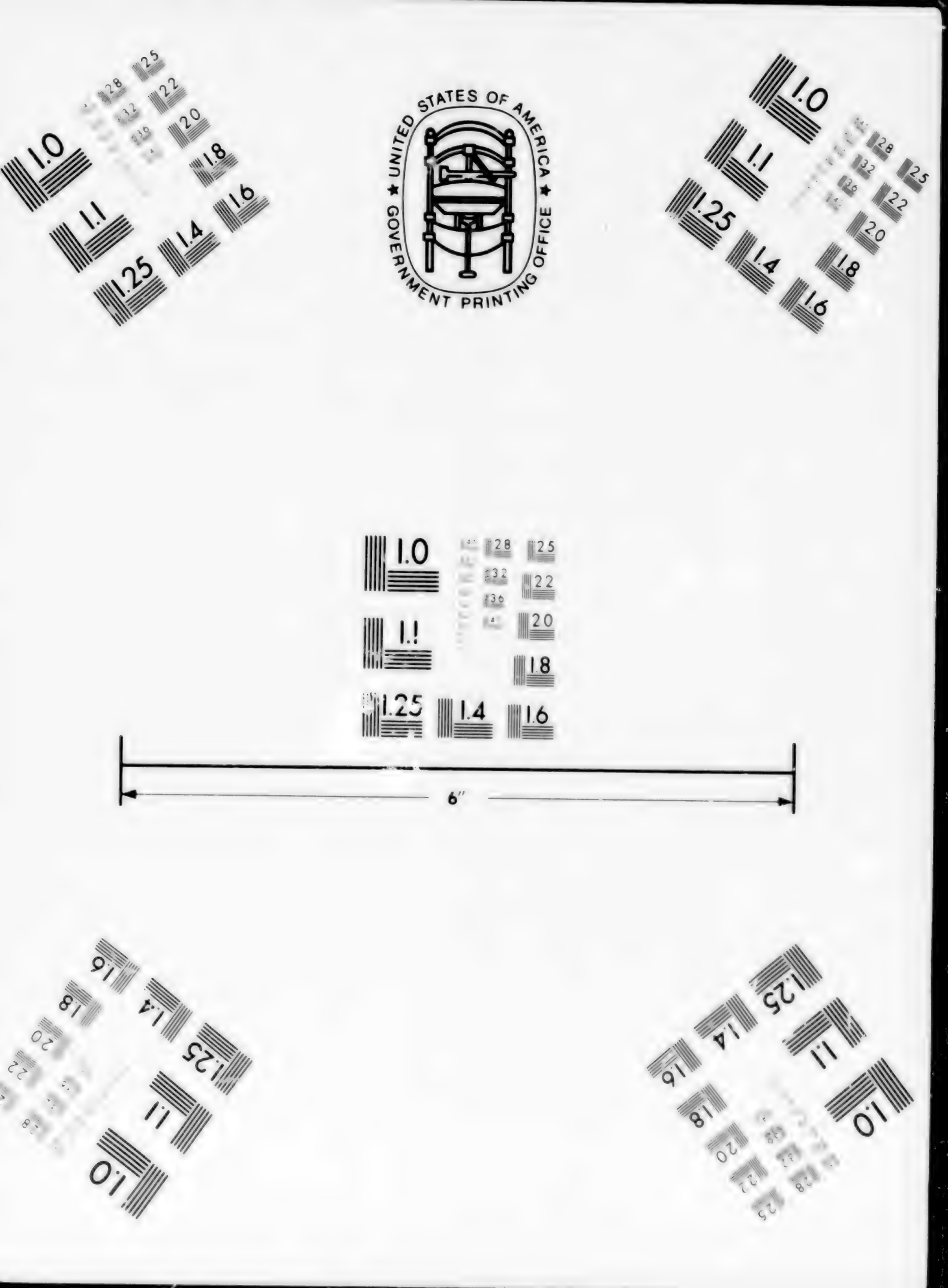
Sincerely,

W. Don Weidlein
Senior Fisheries Biologist

cc: Mr. Dave McLeod
Department of Fish and Game
Eureka, California

Mr. Jerry Ayers
Iron Gate Hatchery
Department of Fish and Game
Hornbrook, California

Fish and Game Warden Ken Taylor
Department of Fish and Game
Happy Camp, California


UNITED STATES OF AMERICA
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CALIFORNIA DEPARTMENT OF FISH AND GAME (DFG)
ANADROMOUS FISH TRAPPING AND REARING APPLICATION/PERMIT

Application

Applicant: Leaf Hillman Phone: 916-627-3440

Organization: Karuk Tribe of California - DNR

Address: PO Box 282, Orleans Ca 95556

Spawn Taker Name(s): Lea F Hillman - R. Attebeery J. Jones Phone: 916-627-3440

Trap Location(s): Camp Creek

Period of Operation: 11-1-96 to 1-15-97

Rearing Facility Location(s): Camp Creek

Period of Operation: _____ to 10-3-97

Funding Source(s) and Amount(s): US Fish & Wildlife Service $71,468.77

Species Requested	Requested Number of Adults (Male/Female)	Requested Number of Eggs
Chinook Salmon	20/20	50,000
Coho Salmon	/_____	
Steelhead Trout	/_____	
	/_____	

Anticipated Release of Young Fish:	Number	Size (No./lb.)	Month/Year	Location
Chinook Salmon smolt		10 16	10 97	Camp Creek
Chinook Salmon postsmolt				
Coho Salmon				
Steelhead Trout				

Applicant's Signature: Leaf Hill - J Jones Date: 9-1-96

Applicant please check condition 6a or 6b on next page.

Note: Send completed application to: Department of Fish and Game, 601 Locust Street, Redding, California 96001

PERMIT

The above named organization/person is hereby authorized to trap, spawn and/or rear anadromous fish in accordance with their approved five-year plan dated Sept 95 with the following additional conditions and limitations:

1. The fish trap and holding facilities shall be closely attended at all times by a responsible adult when the trap is in operation or when fish are being held; free passage of fish past the trap shall be provided when it is not in operation.
2. All dead fish and spawned female salmon shall be cut in half and returned to the stream.
3. All spawned males, not retained to be spawned again, shall be returned alive to the stream.

(over)

4. The weir and trap shall be removed from the stream, or rendered inoperable if a permanent installation, when the number of fish or eggs of each species authorized in this permit are obtained, whichever occurs first.
5. No fish or eggs acquired pursuant to this permit shall be possessed, transferred or otherwise disposed of except as authorized by this permit.
6. The trap may only be operated as follows (check one):
   _____ a. from 12 noon on any Monday to 12 noon on the following Thursday, or
   __X__ b. from 12 noon on any odd numbered day to 12 noon on the following even numbered day.
   The trap shall be rendered inoperable at all other times.
7. All fish shall remain the property of the State and their disposition remains solely at the discretion of the DFG.
8. All heads of dead adipose marked fish shall be removed, placed in plastic bags, frozen and delivered to the below named DFG fish rearing coordinator or biologist. Species, sex, date and location trapped, and name of permittee shall be recorded on hard cardboard tags in pencil or indelible ink and the tags securely attached to the plastic bags.
9. No drugs or other chemicals may be used in these operations without prior approval by the DFG fish rearing coordinator or his/her designee.
10. Accurate records shall be kept by the permittee using the enclosed DFG 788 and annual report forms. The completed DFG 788 forms shall be sent to the DFG fish rearing coordinator no later than 10 days after completion of spawning operations, and the completed annual report to the same person no later than the following July 1.
11. This permit may be modified or revoked if the DFG determines the conditions or limitations of this permit are violated, if necessary to protect fishery resources or if required under an endangered species act or other statute or regulation.
12. Additional conditions and limitations: _____ None -or- __X__ Attached

For assistance you may contact (in the order given):

Coordinator: Mr. Jerry Ayers Phone: (916) 475-3420
Address: Iron Gate Hatchery
38 Lakeview Road, Hornbrook, California 96044

Biologist: Mr. Dave McLeod Phone: (707) 441-5791

Warden: Mr. Ken Taylor Phone: (916) 493-2099

for Regional Manager

Date: October 22, 1996

cc: Rearing Coordinator, District Biologist, Local Warden, Regional File, IFD-Sacramento.

Region 1 revised (5/6/96)
Belinda J disk/IFD/TRAPREAR.APP

Northern California Indian Development Council, Inc.
1996/97 Trapping Permit

Attachment A
Camp Creek and Red Cap Creek 1996/97
Additional Conditions and Limitations (continued)

12. Fish scales shall be taken from all dead adult salmon and placed into scale envelopes provided by the Department of Fish and Game (Department). Scale envelopes must have fish species, fork length, sex, date collected and location information completed for each collection made. Mail envelopes to Mr. Jerry Ayers after spawning is completed.

13. Fish and Wildlife Assistant Mr. Jerry Ayers (916-475-3420) and Warden Ken Taylor (916-493-2099) or Warden Jake Bushey (916-493-5231) shall be notified as to the date the fish trapping weir will be installed and when trapping will begin. Either Mr. Taylor or Mr. Bushey shall also be notified when fish trapping is terminated and the weir is removed.

14. If a severe disease outbreak occurs (e.g., infectious hematopoetic necrosis [IHN], then the Department's Pathologist Mr. Mel Willis is authorized to make the final decision on whether to terminate the fish rearing project and will determine the disposition of the remaining project salmon.

15. Written monthly reports shall be submitted to Mr. Jerry Ayers by the 10th of each month with a final report due within 60 days of completion of the fish rearing project. Report information shall include a summary of operations including trapping records, egg and fry on hand, mortalities and releases. A copy of the monthly report to the US Fish and Wildlife Service will be appropriate. Reports shall be sent to Mr. Jerry Ayers, Iron Gate Hatchery, 8638 Lakeview Road, Hornbrook, California 96044.

16. Only unmarked fish shall be spawned. No fish with fin or maxillary marks shall be retained for spawning.

17. While transporting fish tubes and adult fish to the hatchery, other adults can be left inside the trap if the trap has a top and is locked.

18. If there is any indication that fish have been stolen from the project facilities, the coordinator and warden will be notified by phone as soon as possible.

19. Eggs and juveniles taken from Camp Creek adults shall be reared separately from those taken from Red Cap Creek and each group shall be released only in the stream of origin.

20. Per the five-year plan, all fish will be coded-wire-tagged prior to release.

21. Except as modified above, the project will be operated as outlined in your approved five-year plan dated October 3, 1995.

IFD1.campcrk.wpd

END

10-25-99